VESSEL

SAIPEM FDS 2

FIELD DEVELOPMENT SHIP 2

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FLEXIBILITY

ABILITY TO PERFORM COMPLETE FIELD DEVELOPMENTS WITH MINIMIZED CHANGE MODE DUE TO FLEXIBILITY OF EQUIPMENT

CAPACITY

HIGHEST J-LAY PIPELAYING CAPACITY (UP TO 2,000 T MAX TENSION AND UP TO 36 INCH PIPE OD) 1,000 T AHC MAX CAPABILITY FOR SUBSEA STRUCTURE INSTALLATION

STABILITY

DP3 VESSEL WITH 36 MW POWER CAPACITY AND HIGH DP CAPABILITIES

TECHNICAL SPECIFICATIONS

MAIN FEATURES
- Length overall: 183.0 m
- Length b.p.: 171.0 m
- Moulded breadth: 32.2 m
- Depth moulded: 14.5 m
- Draught design: 9.5 m
- Draught operation mode: 8 to 9.5 m
- Draught scantling: 9.5 m
- Speed: 13 kn
- Main power output (100% MCR): 6 x 6,000 kW

CLASSIFICATION
- ABS +A1, (E), +AMS, +ACCU, +DPS3, Crane Vessel, Pipelayer Vessel, Ice Class D0 NIBS, UWILD, CRC, PMP, HAB, PORT, RW

PROPULSION
- 2 x Azimuthal thrusters for propulsion & station keeping (5,000 kW each)
- 3 x Retractable azimuthal thrusters (5,500 kW each)
- 2 x Row thrusters for station keeping (2,000 kW each)

POWER
- 6 x Diesel generators – Total power 36,000 kW

DP CAPABILITY
- DP Class 3 / ERN 99.99.97
- ERS 99,99,99

ACCOMMODATION
- Total: 325 persons

MAIN CRANE CAPACITY
- 1,000 t – 400 m below water line

AUXILIARY CRANES
- 2 pipe handling cranes 100 t capacity
- 2 knuckle boom heave compensated deep water crane 20 t @ 2,000 m water depth

WINCHES
- 2 capstan winches: 1 x 750 t (1,000 t max pay out load) – with option heave compensator at midship up to 1,000 t capacity 1 x 500 t (600 t max pay out load) with heave compensator

J-LAY TOWER
- Capacity: 2,000 t
- Designed to lay quad joints
- Laying quad joint section (up to 52 m strings)
- 1,500 t / 2,000 t capacity
- Pipes diameter: from 4 to 36”
- Capable of laying large inline items

FIRING LINE
- Double line for quad joint prefabrication
- S-lay capability (option) with 2 tensioners of 90 t each

WELDING SYSTEM
- Fully equipped with last generation Saipem automatic Welding Systems

ROVs
- 2 x work class Innovator ROVs

DECK LOAD CAPACITY
- Up to 6,000 t of payload

OTHER EQUIPMENT
- Side fairleader on 3 locations (750 t capacity)
- Possibility to install an umbilical and flexible laying equipment
- Chain laying equipment (mobile) & 8 chain lockers for 2,000 t of chain
- Possibility to install a removable carousel on deck
- Capability to lay pipes in S mode (option)

DID YOU KNOW?

THE SAIPEM FDS 2 JLT BUILT-IN ABANDON & RECOVERY SYSTEM IS RATED FOR 1,300 T PIPE STRING LOAD. THE VESSEL CAN ALSO ABANDON AND RECOVER PIPELINES UP TO A PIPE TENSION OF 1,700 T. ITS PRIMARY A/R WINCH WIRE ROPE IS THE WORLD’S HEAVIEST, SETTING A GUINNESS WORLD RECORD

With the full utilization of its highly technological equipment, the Saipem FDS 2 is able to realize high complexity pipelaying and subsea installation projects (field development), providing high versatility and efficiency in different scopes. The safe and successful achievement of project targets are reached also through the adoption of one-of-a-kind machines specifically developed by Saipem.